

SEQUENCE LISTING

<110> Anderson, Kevin P.
 Hanecak, Ronnie C.
 Nozaki, Chikateru
 Dorr, F. Andrew
 Kwoh, T. Jesse

<120> Compositions and Methods for Treatment of Hepatitis C
 Virus-Associated Disease

<130> ISPH-0569

<140>
 <141>

<150> 08/988,321
 <151> 1997-12-10

<150> 08/650,093
 <151> 1996-05-17

<150> 08/452,841
 <151> 1995-05-30

<150> 08/397,330
 <151> 1995-03-09

<150> 07/945,289
 <151> 1992-09-10

<150> 09/690,936
 <151> 2000-10-18

<160> 37

<170> PatentIn Ver. 2.1

<210> 1
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic

<400> 1
 tgcacggtct acgagacctc

T0750-01E560
 08/988,321

1. The first part of the document is a list of names and their corresponding addresses. The names are: "John Doe", "Jane Smith", "Bob Johnson", "Alice Brown", "Charlie White", "David Green", "Eve Black", "Frank Gray", "Grace Hall", "Henry King", "Ivy Lee", "Jack Miller", "Karen Wilson", "Leo Young", "Mia Fox", "Noah Hill", "Olivia Scott", "Peter Adams", "Quinn Baker", "Ryan Clark", "Sophia Evans", "Theodore Foster", "Uma Gibson", "Victor Harris", "Wendy Ives", "Xavier Jones", "Yara Khan", "Zoe Lambert". The addresses are: "123 Main St, New York, NY 10001", "456 Elm St, Los Angeles, CA 90001", "789 Oak St, Chicago, IL 60601", "101 Pine St, San Francisco, CA 94101", "202 Cedar St, Boston, MA 02101", "303 Birch St, Philadelphia, PA 19101", "404 Spruce St, Washington, DC 20001", "505 Willow St, Houston, TX 77001", "606 Ash St, Phoenix, AZ 85001", "707 Hickory St, San Antonio, TX 78101", "808 Cypress St, Fort Worth, TX 76101", "909 Redwood St, Dallas, TX 75201", "1010 Sycamore St, Austin, TX 78701", "1111 Magnolia St, Jacksonville, FL 32201", "1212 Dogwood St, Orlando, FL 32801", "1313 Palm St, Miami, FL 33101", "1414 Cypress St, Tampa, FL 33601", "1515 Oak St, St. Petersburg, FL 33701", "1616 Pine St, Clearwater, FL 34601", "1717 Birch St, Lakeland, FL 33801", "1818 Spruce St, Bartlett, IL 60010", "1919 Hickory St, Schaumburg, IL 60196", "2020 Cypress St, Naperville, IL 60563", "2121 Redwood St, Wheat Ridge, CO 80033", "2222 Sycamore St, Aurora, CO 80013", "2323 Magnolia St, Denver, CO 80202", "2424 Dogwood St, Broomfield, CO 80020", "2525 Palm St, Littleton, CO 80120", "2626 Cypress St, Greenwood Village, CO 80111", "2727 Oak St, Highlands Ranch, CO 80126", "2828 Pine St, Centennial, CO 80112", "2929 Birch St, Arapahoe, CO 80015", "3030 Spruce St, Parker, CO 80134", "3131 Hickory St, Lone Tree, CO 80124", "3232 Cypress St, Greenwood Village, CO 80111", "3333 Redwood St, Highlands Ranch, CO 80126", "3434 Sycamore St, Centennial, CO 80112", "3535 Magnolia St, Arapahoe, CO 80015", "3636 Dogwood St, Parker, CO 80134", "3737 Palm St, Lone Tree, CO 80124", "3838 Cypress St, Greenwood Village, CO 80111", "3939 Oak St, Highlands Ranch, CO 80126", "4040 Pine St, Centennial, CO 80112", "4141 Birch St, Arapahoe, CO 80015", "4242 Spruce St, Parker, CO 80134", "4343 Hickory St, Lone Tree, CO 80124", "4444 Cypress St, Greenwood Village, CO 80111", "4545 Redwood St, Highlands Ranch, CO 80126", "4646 Sycamore St, Centennial, CO 80112", "4747 Magnolia St, Arapahoe, CO 80015", "4848 Dogwood St, Parker, CO 80134", "4949 Palm St, Lone Tree, CO 80124", "5050 Cypress St, Greenwood Village, CO 80111".

```
<400> 2
ggtgcacggg ctacgagacc                20
```

<220>
<223> Description of Artificial Sequence: Synthetic

```
<400> 3
atgggtgcacg gtctacgaga                20
```

<220>
<223> Description of Artificial Sequence: Synthetic

```
<400> 4
tcattggtgca cgggtctacga                20
```

<220>
<223> Description of Artificial Sequence: Synthetic

```
<400> 5
gctcatgggtg cacggtctac                20
```

<210> 6
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 6
gtgctcatgg tgcacggtct 20

<210> 7
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 7
tcgtgctcat ggtgcacggt 20

<210> 8
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 8
attcgtgctc atggtgcacg 20

<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 9
ggattcgtgc tcatggtgca 20

TO THE "GOT" 500

<210> 10
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 10
taggattcgt gctcatggtg 20

<210> 11
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 11
tttaggattc gtgctcatgg 20

<210> 12
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 12
ggtttaggat tcgtgctcat 20

<210> 13
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 13
gaggtttagg attcgtgctc 20

<210> 14
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<221> modified_base
<222> (14)
<223> i

<400> 14
gaggtttagg attngtgctc

20

<210> 15
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<220>
<221> modified_base
<222> (2)
<223> i

<220>
<221> modified_base
<222> (8)
<223> i

<220>
<221> modified_base
<222> (14)
<223> i

<400> 15
gnggtttngg attngtgctc

20

<210> 16
<211> 20

<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

<220>

<221> modified_base

<222> (2)

<223> i

<220>

<221> modified_base

<222> (8)

<223> i

<220>

<221> modified_base

<222> (12)..(14)

<223> i

<400> 16

gngggttngg annngtgctc

20

<210> 17

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

<400> 17

ttgaggttta ggattcgtgc

20

<210> 18

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

<400> 18

ctttgaggtt taggattcgt

20

<210> 19
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 19
ttctttgagg ttaggattc 20

<210> 20
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 20
ttttctttga ggttaggat 20

<210> 21
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 21
gtttttcttt gaggttagg 20

<210> 22
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 22
tggtttttct ttgaggttta 20

<210> 23
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 23
tttggttttt ctttgaggtt 20

<210> 24
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 24
cgtttggttt ttctttgagg 20

<210> 25
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 25
gtgctcatgg tgcacggt 18

<210> 26
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 26
gtgctcatgg tgcacgg 17

<210> 27
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 27
gtgctcatgg tgcacg 16

<210> 28
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 28
gtgctcatgg tgcac 15

<210> 29
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 29
gtgctcatgg 10

<210> 30
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 30
gctcatgggtg cacgggtct 18

<210> 31
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 31
ctcatggtgc acggtct 17

<210> 32
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 32
catggtgcac ggtct 15

<210> 33
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 33
tgcacggtct 10

<210> 34
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 34
tgctcatggt gcacggtc 18

<210> 35
 <211> 16
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic

<400> 35
 gctcatggtg cacggt

16

<210> 36
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic

<400> 36
 gccgaggtcc atgtcgtacg c

21

<210> 37
 <211> 685
 <212> RNA
 <213> Hepatitis C virus

<400> 37
 gccagcccc gauugggggc gacacuccac cauagaucac uccccuguga ggaacuacug 60
 ucuucacgca gaaagcgucu agccauggcg uuaguaugag ugucgugcag ccuccaggac 120
 cccccuccc gggagagcca uaguggucug cggaaccggu gaguacaccg gaauugccag 180
 gacgaccggg uccuuucuug gaucaaccgc ccaaugccug gagauuuggg cgucccccg 240
 cgagacugcu agccgaguag uguugggucg cgaaggccu ugugguacug ccugauaggg 300
 ugcuugcgag ugccccggga ggucucguag accgugcacc augagcacga auccuaaacc 360
 ucaaagaaaa accaaacgua acaccaaccg ccgcccacag gaggucaagu ucccgggagg 420
 uggucagauc guugguggag uuuaccuguu gccgcgcagg ggcccdaggu ugggugugcg 480
 cgcgaucagg aagacuuccg agcggucgca accccgugga aggcgacagc cuaucaccaa 540
 ggcucgccgg cccgagggca gggccugggc ucagcccggg uauccuuggc ccucuaugg 600
 caaugagggc augggguggg caggauggcu ccugucaccc cgcggcuccc ggccuaguug 660
 gggccccacg gacccccggc guagg 685

CAGUA

TC+TTT

CCAAATC

0055405404